2001

Access DB# 65585

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: K. Weddington Examiner #: 68082 Date: 4-26-02
Art Unit: 1614 Phone Number 30 8-4650 Serial Number: 10/016,726
Mail Box and Bldg/Room Location: CM1 2A17 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need. mej

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): Jose Zayas-Rivera; Naida Nunts-Morales

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

A composition comprising
1) perillyl aldehyde
2) an inactive ingredient

Point of Contact:
Thomas G. Larson, Ph.D.
703-308-7309
CM1, Rm. 6 B 01

The inactive ingredient is an alcohol
+
the alcohol is select from hexadecanol, ~~oct~~ octadecanol
propanediol.

Point of Contact:
Thomas G. Larson, Ph.D.
703-308-7309
CM1, Rm. 6 B 01
(for Mary Hale)

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STAFF USE ONLY

Searcher: Thom Larson (for M. Hale)
Searcher Phone #: 8-7309
Searcher Location: 6B01
Date Searcher Picked Up: 5/1/02
Date Completed: 5/3/02
Searcher Prep & Review Time: _____
Clerical Prep Time: _____
Online Time: _____

Type of Search

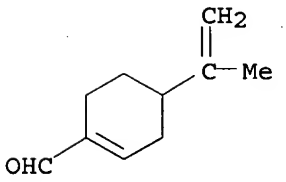
NA Sequence (#)	_____
AA Sequence (#)	_____
Structure (#)	_____
Bibliographic	_____
Litigation	_____
Fulltext	_____
Patent Family	_____
Other	_____

Vendors and cost where applicable

STN _____
Dialog _____
Questel/Orbit _____
Dr.Link _____
Lexis/Nexis _____
Sequence Systems _____
WWW/Internet _____
Other (specify) _____

PTO-1590 (8-01)

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN 2111-75-3 REGISTRY
CN 1-Cyclohexene-1-carboxaldehyde, 4-(1-methylethenyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Cyclohexene-1-carboxaldehyde, 4-isopropenyl- (7CI, 8CI)
CN Perillaldehyde (6CI)
OTHER NAMES:
CN (.+-.)-Perillaldehyde
CN 4-(2-Propenyl)-1-cyclohexenecarboxaldehyde
CN 4-Isopropenyl-1-cyclohexene-1-carboxaldehyde
CN 4-Isopropenyl-1-cyclohexenecarboxaldehyde
CN dl-Perillaldehyde
CN p-Mentha-1,8-dien-7-al
CN Perilla aldehyde
CN Perillal
CN **Perillyl aldehyde**
FS 3D CONCORD
DR 6611-91-2, 21090-66-4
MF C10 H14 O
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, PROMT, RTECS*, SPECINFO, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

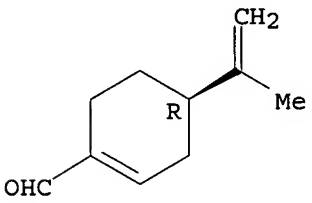


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

529 REFERENCES IN FILE CA (1967 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
532 REFERENCES IN FILE CAPLUS (1967 TO DATE)
22 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN **5503-12-8** REGISTRY
CN 1-Cyclohexene-1-carboxaldehyde, 4-(1-methylethenyl)-, (4R)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Cyclohexene-1-carboxaldehyde, 4-(1-methylethenyl)-, (R)-
CN 1-Cyclohexene-1-carboxaldehyde, 4-isopropenyl-, (R)-(+)- (8CI)
OTHER NAMES:
CN (+)-Perillaldehyde
CN (R)-(+)-Perillaldehyde
FS STEREOSEARCH
MF C10 H14 O
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, HODOC*, IFICDB, IFIPAT, IFIUDB, NAPRALERT, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

29 REFERENCES IN FILE CA (1967 TO DATE)
29 REFERENCES IN FILE CAPLUS (1967 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

Point of Contact:
Thomas G. Larson, Ph.D.
703-308-7309
CM1, Rm. 6 B 01

```
=> FILE CAPLUS
FILE 'CAPLUS' ENTERED AT 14:23:17 ON 01 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)
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FILE COVERS 1907 - 1 May 2002  VOL 136 ISS 18
FILE LAST UPDATED: 29 Apr 2002  (20020429/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

=> D QUE L40
L1            14 SEA FILE=CAPLUS ABB=ON  PLU=ON  PERILLYL ALDEHYDE
L13            1 SEA FILE=REGISTRY ABB=ON  PLU=ON  PERILLYL ALDEHYDE/CN
L14          539 SEA FILE=CAPLUS ABB=ON  PLU=ON  L13
L18            3 SEA FILE=REGISTRY ABB=ON  PLU=ON  HEXADECANOL/CN
L19         5488 SEA FILE=CAPLUS ABB=ON  PLU=ON  L18
L20         5270 SEA FILE=CAPLUS ABB=ON  PLU=ON  1-HEXADECANOL/CT
L21         4907 SEA FILE=CAPLUS ABB=ON  PLU=ON  36653-82-4##/RN
L23         5488 SEA FILE=CAPLUS ABB=ON  PLU=ON  L19 OR L20 OR L21
L38          558 SEA FILE=CAPLUS ABB=ON  PLU=ON  5503-12-8##/RN OR 2111-75-3##/R
                 N
L39          567 SEA FILE=CAPLUS ABB=ON  PLU=ON  L1 OR L14 OR L38
L40            7 SEA FILE=CAPLUS ABB=ON  PLU=ON  L39 AND L23


=> D QUE L41
L1            14 SEA FILE=CAPLUS ABB=ON  PLU=ON  PERILLYL ALDEHYDE
L13            1 SEA FILE=REGISTRY ABB=ON  PLU=ON  PERILLYL ALDEHYDE/CN
L14          539 SEA FILE=CAPLUS ABB=ON  PLU=ON  L13
L25            2 SEA FILE=REGISTRY ABB=ON  PLU=ON  OCTADECANOL/CN
L26         5300 SEA FILE=CAPLUS ABB=ON  PLU=ON  L25
L27         5003 SEA FILE=CAPLUS ABB=ON  PLU=ON  1-OCTADECANOL/CT
L28         5003 SEA FILE=CAPLUS ABB=ON  PLU=ON  112-92-5##/RN
L29         5300 SEA FILE=CAPLUS ABB=ON  PLU=ON  (L26 OR L27 OR L28)
L38          558 SEA FILE=CAPLUS ABB=ON  PLU=ON  5503-12-8##/RN OR 2111-75-3##/R
                 N
L39          567 SEA FILE=CAPLUS ABB=ON  PLU=ON  L1 OR L14 OR L38
L41            1 SEA FILE=CAPLUS ABB=ON  PLU=ON  L39 AND L29


=> D QUE L49
L1            14 SEA FILE=CAPLUS ABB=ON  PLU=ON  PERILLYL ALDEHYDE
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L13           1 SEA FILE=REGISTRY ABB=ON  PLU=ON  PERILLYL ALDEHYDE/CN
L14         539 SEA FILE=CAPLUS ABB=ON  PLU=ON  L13
L32           1 SEA FILE=REGISTRY ABB=ON  PLU=ON  PROPANEDIOL/CN
L33         346 SEA FILE=CAPLUS ABB=ON  PLU=ON  L32
L38         558 SEA FILE=CAPLUS ABB=ON  PLU=ON  5503-12-8##/RN OR 2111-75-3##/R
                N
L39         567 SEA FILE=CAPLUS ABB=ON  PLU=ON  L1 OR L14 OR L38
L43       17285 SEA FILE=CAPLUS ABB=ON  PLU=ON  PROPANEDIOL/CT OR PROPYLENE
                GLYCOL/CT
L44       17522 SEA FILE=CAPLUS ABB=ON  PLU=ON  26264-14-2##/RN OR 57-55-6##/RN

L45           1 SEA FILE=REGISTRY ABB=ON  PLU=ON  PROPYLENE GLYCOL/CN
L46       17285 SEA FILE=CAPLUS ABB=ON  PLU=ON  L45
L47       17606 SEA FILE=CAPLUS ABB=ON  PLU=ON  L33 OR L46
L48       17606 SEA FILE=CAPLUS ABB=ON  PLU=ON  L43 OR L44 OR L47
L49           6 SEA FILE=CAPLUS ABB=ON  PLU=ON  L39 AND L48


=> S L40 OR L41 OR L49
L117         13 L40 OR L41 OR L49

=> FILE MEDLINE
FILE 'MEDLINE' ENTERED AT 14:24:43 ON 01 MAY 2002

 FILE LAST UPDATED: 30 APR 2002 (20020430/UP). FILE COVERS 1958 TO DATE.

 On April 22, 2001, MEDLINE was reloaded. See HELP RLOAD for details.

 MEDLINE now contains IN-PROCESS records. See HELP CONTENT for details.

 MEDLINE is now updated 4 times per week. A new current-awareness alert
 frequency (EVERYUPDATE) is available. See HELP UPDATE for more information.

 MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the
 MeSH 2001 vocabulary. Enter HELP THESAURUS for details.

 The OLDMEDLINE file segment now contains data from 1958 through 1965.
 Enter HELP CONTENT for details.

 Left, right, and simultaneous left and right truncation are available in the
 Basic Index. See HELP SFIELDS for details.

 THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE
 SUBSTANCE IDENTIFICATION.

=> D QUE L55
L50          14 SEA FILE=MEDLINE ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI
                OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                 OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L52         232 SEA FILE=MEDLINE ABB=ON  PLU=ON  (HEXADECANOL/BI OR "ADOL
                52"/BI OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR
                "ATALCO C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR
                CETAL/BI OR CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR
                "CETYL ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR
                "CO 1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL
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                CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL
               16"/BI OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR
               "HYFATOL 16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR
               "LANETTE 16"/BI OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C
               16"/BI OR "LOROL 24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL
               K"/BI OR "LOXANWAX SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECA
               NOL/BI OR N-1-HEXADECANOL/BI OR "PALMITIC ALCOHOL"/BI OR
               "PALMITYL ALCOHOL"/BI OR "PRODUCT 308"/BI OR "SIPONOL CC"/BI
               OR "SIPONOL WAX A"/BI OR "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI
               OR 1-HEXADECANOL/BI OR 124-29-8/BI OR 29354-98-1/BI OR
               36653-82-4/BI OR 51260-59-4/BI OR 55069-45-9/BI OR 8014-51-5/BI
                OR 8023-37-8/BI OR 8032-16-4/BI OR 8032-17-5/BI OR 8032-89-1/B
               I)
L55             0 SEA FILE=MEDLINE ABB=ON  PLU=ON  L50 AND L52


=> D QUE L56
L50            14 SEA FILE=MEDLINE ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI
               OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
               "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
               "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
               "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
               L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
               ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L53            93 SEA FILE=MEDLINE ABB=ON  PLU=ON  (OCTADECANOL/BI OR "ADOL
               62"/BI OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR
               "ALFOL 18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO
               1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI
               OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR
               "LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR
               "LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADEC
               ANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI
               OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL
               SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL
               ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADEC
               ANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR
               112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI
               OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)
L56             0 SEA FILE=MEDLINE ABB=ON  PLU=ON  L50 AND L53


=> D QUE L57
L12                QUE  ABB=ON  PLU=ON  ("GLYCOLS, C3"/BI OR PROPANEDIOL/BI
               OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/BI OR 653
               07-29-1/BI)
L50            14 SEA FILE=MEDLINE ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI
               OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
               "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
               "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
               "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
               L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
               ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L54          1687 SEA FILE=MEDLINE ABB=ON  PLU=ON  L12 OR PROPYLENE GLYCOL/CT
L57             0 SEA FILE=MEDLINE ABB=ON  PLU=ON  L50 AND L54


=> FILE EMBASE
FILE 'EMBASE' ENTERED AT 14:25:13 ON 01 MAY 2002
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FILE COVERS 1974 TO 25 Apr 2002 (20020425/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> D QUE L64
L58           2 SEA FILE=EMBASE ABB=ON  PLU=ON  PERILLYLALDEHYDE OR PERILLYL
                ALDEHYDE
L59          60 SEA FILE=EMBASE ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI OR
                DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                 OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L60          60 SEA FILE=EMBASE ABB=ON  PLU=ON  L58 OR L59
L62         525 SEA FILE=EMBASE ABB=ON  PLU=ON  (HEXADECANOL/BI OR "ADOL
                52"/BI OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR
                "ATALCO C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR
                CETAL/BI OR CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR
                "CETYL ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR
                "CO 1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL
                 CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL
                16"/BI OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR
                "HYFATOL 16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR
                "LANETTE 16"/BI OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C
                16"/BI OR "LOROL 24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL
                K"/BI OR "LOXANWAX SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECA
                NOL/BI OR N-1-HEXADECANOL/BI OR "PALMITIC ALCOHOL"/BI OR
                "PALMITYL ALCOHOL"/BI OR "PRODUCT 308"/BI OR "SIPONOL CC"/BI
                OR "SIPONOL WAX A"/BI OR "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI
                OR 1-HEXADECANOL/BI OR 124-29-8/BI OR 29354-98-1/BI OR
                36653-82-4/BI OR 51260-59-4/BI OR 55069-45-9/BI OR 8014-51-5/BI
                 OR 8023-37-8/BI OR 8032-16-4/BI OR 8032-17-5/BI OR 8032-89-1/B
                I)
L64           0 SEA FILE=EMBASE ABB=ON  PLU=ON  L60 AND L62


=> D QUE L74
L58           2 SEA FILE=EMBASE ABB=ON  PLU=ON  PERILLYLALDEHYDE OR PERILLYL
                ALDEHYDE
L59          60 SEA FILE=EMBASE ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI OR
                DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                 OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L60          60 SEA FILE=EMBASE ABB=ON  PLU=ON  L58 OR L59
L65         206 SEA FILE=EMBASE ABB=ON  PLU=ON  OCTADECANOL/CT
L66         266 SEA FILE=EMBASE ABB=ON  PLU=ON  (OCTADECANOL/BI OR "ADOL
                62"/BI OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR
                "ALFOL 18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO
                1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI
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                OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR
                "LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR
                "LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADEC
                ANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI
                OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL
                SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL
                ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADEC
                ANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR
                112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI
                OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)
L67          266 SEA FILE=EMBASE ABB=ON  PLU=ON  L65 OR L66
L74            0 SEA FILE=EMBASE ABB=ON  PLU=ON  L60 AND L67


=> D QUE L75
L58            2 SEA FILE=EMBASE ABB=ON  PLU=ON  PERILLYLALDEHYDE OR PERILLYL
                 ALDEHYDE
L59           60 SEA FILE=EMBASE ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI OR
                 DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                 "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                 "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                 "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                 L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                 ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                  OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L60           60 SEA FILE=EMBASE ABB=ON  PLU=ON  L58 OR L59
L69         2900 SEA FILE=EMBASE ABB=ON  PLU=ON  PROPYLENE GLYCOL/CT
L70         1399 SEA FILE=EMBASE ABB=ON  PLU=ON  ("GLYCOLS, C3"/BI OR PROPANEDIO
                 L/BI OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/BI OR
                 65307-29-1/BI)
L71         3999 SEA FILE=EMBASE ABB=ON  PLU=ON  L69 OR L70
L75            0 SEA FILE=EMBASE ABB=ON  PLU=ON  L60 AND L71


=> FILE NAPRALERT
FILE 'NAPRALERT' ENTERED AT 14:25:52 ON 01 MAY 2002
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University of Illinois at Chicago.

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    Some records in this file are extremely long when displayed in
    the ALL format. The CHC (Character Count) field can be used to
    estimate record length. Type HELP CONTENT at the next arrow
    prompt (=>) for data content and search strategy information.

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FILE COVERS 1650 TO 8 APR 2002 (20020408/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> D QUE L82
L76           68 SEA FILE=NAPRALERT ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI
                 OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                 "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                 "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                 "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                 L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
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ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L77 47 SEA FILE=NAPRALERT ABB=ON PLU=ON (HEXADECANOL/BI OR "ADOL 52"/BI OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR "ATALCO C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR CETAL/BI OR CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR "CETYL ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR "CO 1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL 16"/BI OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR "HYFATOL 16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR "LANETTE 16"/BI OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C 16"/BI OR "LOROL 24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL K"/BI OR "LOXANWAX SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECANOL/BI OR N-1-HEXADECANOL/BI OR "PALMITIC ALCOHOL"/BI OR "PALMITYL ALCOHOL"/BI OR "PRODUCT 308"/BI OR "SIPONOL CC"/BI OR "SIPONOL WAX A"/BI OR "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI OR 1-HEXADECANOL/BI OR 124-29-8/BI OR 29354-98-1/BI OR 36653-82-4/BI OR 51260-59-4/BI OR 55069-45-9/BI OR 8014-51-5/BI OR 8023-37-8/BI OR 8032-16-4/BI OR 8032-17-5/BI OR 8032-89-1/BI)

L82 2 SEA FILE=NAPRALERT ABB=ON PLU=ON L76 AND L77

=> D QUE L83

L76 68 SEA FILE=NAPRALERT ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEXENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L78 23 SEA FILE=NAPRALERT ABB=ON PLU=ON (OCTADECANOL/BI OR "ADOL 62"/BI OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR "ALFOL 18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO 1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR "LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR "LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADECANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADECANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR 112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)

L83 2 SEA FILE=NAPRALERT ABB=ON PLU=ON L76 AND L78

=> D QUE L884

L884 NOT FOUND

The L-number has not been used in the current session or has been deleted.

=> D QUE L84

L76 68 SEA FILE=NAPRALERT ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR

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                "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                 OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L79             5 SEA FILE=NAPRALERT ABB=ON  PLU=ON  ("GLYCOLS, C3"/BI OR
                PROPANEDIOL/BI OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/
                BI OR 65307-29-1/BI)
L84             0 SEA FILE=NAPRALERT ABB=ON  PLU=ON  L76 AND L79


=> D QUE L85
L76            68 SEA FILE=NAPRALERT ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI
                OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                 OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L79             5 SEA FILE=NAPRALERT ABB=ON  PLU=ON  ("GLYCOLS, C3"/BI OR
                PROPANEDIOL/BI OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/
                BI OR 65307-29-1/BI)
L80            18 SEA FILE=NAPRALERT ABB=ON  PLU=ON  PROPYLENE GLYCOL OR 57-55-6

L81            23 SEA FILE=NAPRALERT ABB=ON  PLU=ON  L79 OR L80
L85             0 SEA FILE=NAPRALERT ABB=ON  PLU=ON  L76 AND L81


=> S L82 OR L83
L118            2 L82 OR L83

=> FILE WPIDS
FILE 'WPIDS' ENTERED AT 14:26:54 ON 01 MAY 2002
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FILE LAST UPDATED: 29 APR 2002              <20020429/UP>
MOST RECENT DERWENT UPDATE            200227   <200227/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> The BATCH option for structure searches has been
    enabled in WPINDEX/WPIDS and WPIX  >>>

>>> PATENT IMAGES AVAILABLE FOR PRINT AND DISPLAY >>>

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES,
    SEE http://www.derwent.com/dwpi/updates/dwpicov/index.html <<<

>>> FOR A COPY OF THE DERWENT WORLD PATENTS INDEX TOOLS OF THE
    TRADE USER GUIDE, PLEASE VISIT:
    http://www.derwent.com/data/stn3.pdf <<<

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER
    GUIDES, PLEASE VISIT:
    http://www.derwent.com/userguides/dwpi_guide.html <<<

=> D QUE L91
L86            63 SEA FILE=WPIDS ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI OR
                DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
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"PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEXENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L87 1393 SEA FILE=WPIDS ABB=ON PLU=ON (HEXADECANOL/BI OR "ADOL 52"/BI OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR "ATALCO C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR CETAL/BI OR CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR "CETYL ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR "CO 1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL 16"/BI OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR "HYFATOL 16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR "LANETTE 16"/BI OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C 16"/BI OR "LOROL 24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL K"/BI OR "LOXANWAX SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECANOL/BI OR N-1-HEXADECANOL/BI OR "PALMITIC ALCOHOL"/BI OR "PALMITYL ALCOHOL"/BI OR "PRODUCT 308"/BI OR "SIPONOL CC"/BI OR "SIPONOL WAX A"/BI OR "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI OR 1-HEXADECANOL/BI OR 124-29-8/BI OR 29354-98-1/BI OR 36653-82-4/BI OR 51260-59-4/BI OR 55069-45-9/BI OR 8014-51-5/BI OR 8023-37-8/BI OR 8032-16-4/BI OR 8032-17-5/BI OR 8032-89-1/BI)

L91 0 SEA FILE=WPIDS ABB=ON PLU=ON L86 AND L87

=> D QUE L92

L86 63 SEA FILE=WPIDS ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEXENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L88 1460 SEA FILE=WPIDS ABB=ON PLU=ON (OCTADECANOL/BI OR "ADOL 62"/BI OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR "ALFOL 18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO 1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR "LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR "LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADECANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADECANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR 112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)

L92 0 SEA FILE=WPIDS ABB=ON PLU=ON L86 AND L88

=> D QUE L93

L86 63 SEA FILE=WPIDS ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEXENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI

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                OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L89         2687 SEA FILE=WPIDS ABB=ON  PLU=ON  ("GLYCOLS, C3"/BI OR PROPANEDIOL
                 /BI OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/BI OR
                 65307-29-1/BI)
L90        17268 SEA FILE=WPIDS ABB=ON  PLU=ON  L89 OR PROPYLENE GLYCOL
L93            0 SEA FILE=WPIDS ABB=ON  PLU=ON  L86 AND L90


=> FILE DRUGu
FILE 'DRUGU' ENTERED AT 14:27:20 ON 01 MAY 2002
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FILE LAST UPDATED: 26 APR 2002      <20020426/UP>
>>>  DERWENT DRUG FILE (SUBSCRIBER)  <<<

>>>  SDI'S MAY BE RUN WEEKLY OR MONTHLY AS OF JUNE 2001.  <<<
>>>  (WEEKLY IS THE DEFAULT). FOR PRICING INFORMATION     <<<
>>>  SEE HELP COST                                        <<<

>>>  FILE COVERS 1983 TO DATE  <<<
>>>  THESAURUS AVAILABLE IN /CT  <<<


=> D QUE L100
L94            19 SEA FILE=DRUGU ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI OR
                  DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                  "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                  "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                  "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                  L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                  ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                   OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L95           350 SEA FILE=DRUGU ABB=ON  PLU=ON  (HEXADECANOL/BI OR "ADOL 52"/BI
                  OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR "ATALCO
                  C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR CETAL/BI OR
                  CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR "CETYL
                  ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR "CO
                  1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL
                  CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL 16"/BI
                  OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR "HYFATOL
                  16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR "LANETTE 16"/BI
                  OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C 16"/BI OR "LOROL
                  24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL K"/BI OR "LOXANWAX
                  SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECANOL/BI OR N-1-HEXAD
                  ECANOL/BI OR "PALMITIC ALCOHOL"/BI OR "PALMITYL ALCOHOL"/BI OR
                  "PRODUCT 308"/BI OR "SIPONOL CC"/BI OR "SIPONOL WAX A"/BI OR
                  "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI OR 1-HEXADECANOL/BI OR
                  124-29-8/BI OR 29354-98-1/BI OR 36653-82-4/BI OR 51260-59-4/BI
                  OR 55069-45-9/BI OR 8014-51-5/BI OR 8023-37-8/BI OR 8032-16-4/B
                  I OR 8032-17-5/BI OR 8032-89-1/BI)
L100           0 SEA FILE=DRUGU ABB=ON  PLU=ON  L94 AND L95


=> D QUE L101
L94            19 SEA FILE=DRUGU ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI OR
                  DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                  "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                  "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                  "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                  L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
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                ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                 OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L96          187 SEA FILE=DRUGU ABB=ON  PLU=ON  (OCTADECANOL/BI OR "ADOL 62"/BI
                OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR "ALFOL
                18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO
                1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI
                OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR
                "LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR
                "LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADEC
                ANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI
                OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL
                SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL
                ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADEC
                ANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR
                112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI
                OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)
L101           0 SEA FILE=DRUGU ABB=ON  PLU=ON  L94 AND L96


=> D QUE L102
L94           19 SEA FILE=DRUGU ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI OR
                DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                 OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L97          219 SEA FILE=DRUGU ABB=ON  PLU=ON  ("GLYCOLS, C3"/BI OR PROPANEDIOL
                /BI OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/BI OR
                65307-29-1/BI)
L98         2399 SEA FILE=DRUGU ABB=ON  PLU=ON  PROPYLENE GLYCOL OR 57-55-6
L99         2600 SEA FILE=DRUGU ABB=ON  PLU=ON  L97 OR L98
L102           0 SEA FILE=DRUGU ABB=ON  PLU=ON  L94 AND L99


=> FILE AGRICOLA
FILE 'AGRICOLA' ENTERED AT 14:28:14 ON 01 MAY 2002


FILE COVERS 1970 TO 9 Apr 2002 (20020409/ED)

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reserved.  (1996)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> D QUE L107
L103          29 SEA FILE=AGRICOLA ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI
                OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                 OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L104          32 SEA FILE=AGRICOLA ABB=ON  PLU=ON  (HEXADECANOL/BI OR "ADOL
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                52"/BI OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR
                "ATALCO C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR
                CETAL/BI OR CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR
                "CETYL ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR
                "CO 1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL
                 CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL
                16"/BI OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR
                "HYFATOL 16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR
                "LANETTE 16"/BI OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C
                16"/BI OR "LOROL 24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL
                K"/BI OR "LOXANWAX SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECA
                NOL/BI OR N-1-HEXADECANOL/BI OR "PALMITIC ALCOHOL"/BI OR
                "PALMITYL ALCOHOL"/BI OR "PRODUCT 308"/BI OR "SIPONOL CC"/BI
                OR "SIPONOL WAX A"/BI OR "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI
                OR 1-HEXADECANOL/BI OR 124-29-8/BI OR 29354-98-1/BI OR
                36653-82-4/BI OR 51260-59-4/BI OR 55069-45-9/BI OR 8014-51-5/BI
                 OR 8023-37-8/BI OR 8032-16-4/BI OR 8032-17-5/BI OR 8032-89-1/B
                I)
L107             0 SEA FILE=AGRICOLA ABB=ON  PLU=ON  L103 AND L104


=> D QUE L108
L103            29 SEA FILE=AGRICOLA ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI
                   OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                   "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                   "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                   "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                   L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                   ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                    OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L105            13 SEA FILE=AGRICOLA ABB=ON  PLU=ON  (OCTADECANOL/BI OR "ADOL
                   62"/BI OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR
                   "ALFOL 18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO
                   1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI
                   OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR
                   "LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR
                   "LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADEC
                   ANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI
                   OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL
                   SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL
                   ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADEC
                   ANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR
                   112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI
                   OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)
L108             0 SEA FILE=AGRICOLA ABB=ON  PLU=ON  L103 AND L105


=> D QUE L109
L12                QUE  ABB=ON  PLU=ON  ("GLYCOLS, C3"/BI OR PROPANEDIOL/BI
                   OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/BI OR 653
                   07-29-1/BI)
L80             18 SEA FILE=NAPRALERT ABB=ON  PLU=ON  PROPYLENE GLYCOL OR 57-55-6

L103            29 SEA FILE=AGRICOLA ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI
                   OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                   "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                   "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                   "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                   L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                   ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
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                OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L106          357 SEA FILE=AGRICOLA ABB=ON  PLU=ON  L12 OR L80
L109            0 SEA FILE=AGRICOLA ABB=ON  PLU=ON  L103 AND L106


=> FILE KOSMET
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FILE LAST UPDATED: 18 APR 2002      <20020418/UP>
FILE COVERS 1968 TO DATE.

=> D QUE L114
L110            9 SEA FILE=KOSMET ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI OR
                  DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                  "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                  "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                  "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                  L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                  ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                   OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L111           22 SEA FILE=KOSMET ABB=ON  PLU=ON  (HEXADECANOL/BI OR "ADOL
                  52"/BI OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR
                  "ATALCO C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR
                  CETAL/BI OR CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR
                  "CETYL ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR
                  "CO 1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL
                   CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL
                  16"/BI OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR
                  "HYFATOL 16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR
                  "LANETTE 16"/BI OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C
                  16"/BI OR "LOROL 24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL
                  K"/BI OR "LOXANWAX SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECA
                  NOL/BI OR N-1-HEXADECANOL/BI OR "PALMITIC ALCOHOL"/BI OR
                  "PALMITYL ALCOHOL"/BI OR "PRODUCT 308"/BI OR "SIPONOL CC"/BI
                  OR "SIPONOL WAX A"/BI OR "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI
                  OR 1-HEXADECANOL/BI OR 124-29-8/BI OR 29354-98-1/BI OR
                  36653-82-4/BI OR 51260-59-4/BI OR 55069-45-9/BI OR 8014-51-5/BI
                   OR 8023-37-8/BI OR 8032-16-4/BI OR 8032-17-5/BI OR 8032-89-1/B
                  I)
L114            0 SEA FILE=KOSMET ABB=ON  PLU=ON  L110 AND L111


=> D QUE L115
L110            9 SEA FILE=KOSMET ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI OR
                  DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                  "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                  "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                  "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                  L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                  ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                   OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L112           25 SEA FILE=KOSMET ABB=ON  PLU=ON  (OCTADECANOL/BI OR "ADOL
                  62"/BI OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR
                  "ALFOL 18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO
                  1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI
                  OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR
                  "LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR
                  "LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADEC
                  ANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI
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                OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL
                SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL
                ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADEC
                ANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR
                112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI
                OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)
L115          0 SEA FILE=KOSMET ABB=ON  PLU=ON  L110 AND L112


=> D QUE L116
L12             QUE  ABB=ON  PLU=ON  ("GLYCOLS, C3"/BI OR PROPANEDIOL/BI
                OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/BI OR 653
                07-29-1/BI)
L80            18 SEA FILE=NAPRALERT ABB=ON  PLU=ON  PROPYLENE GLYCOL OR 57-55-6

L110            9 SEA FILE=KOSMET ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI OR
                DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
                "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
                "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
                "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY
                L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
                ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
                 OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L113          131 SEA FILE=KOSMET ABB=ON  PLU=ON  L12 OR L80
L116            0 SEA FILE=KOSMET ABB=ON  PLU=ON  L110 AND L113


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LAST RELOADED: Apr 26, 2002 (20020426/UP).

=> DUP REM L117 L118
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PROCESSING COMPLETED FOR L117
PROCESSING COMPLETED FOR L118
L119           15 DUP REM L117 L118 (0 DUPLICATES REMOVED)

=> D L117 IBIB AB CT 1-13

L117 ANSWER 1 OF 13  CAPLUS  COPYRIGHT 2002 ACS
ACCESSION NUMBER:        2001:427824  CAPLUS
DOCUMENT NUMBER:         135:208167
TITLE:                   Composition of the essential oils of Tanacetum armenum
                         (DC.) Schultz Bip., T. balsamita L., T. chiliophyllum
                         (Fisch. & mey.) Schultz bip. var. chiliophyllum and T.
                         haradjani (Rech. fil.) grierson and the enantiomeric
                         distribution of camphor and carvone
AUTHOR(S):               Baser, K. Husnu Can; Demirci, Betul; Tabanca,
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Nurhayat; Ozek, Temel; Goren, Nezhun
CORPORATE SOURCE: Medicinal and Aromatic Plant and Drug Research Centre (TBAM), Anadolu University, Eskisehir, 26470, Turk.
SOURCE: Flavour and Fragrance Journal (2001), 16(3), 195-200
CODEN: FFJOED; ISSN: 0882-5734
PUBLISHER: John Wiley & Sons Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Water-distd. essential oils from herbal parts of Tanacetum armenum (DC.) Schultz Bip., T. balsamita L.(syn. Balsamita major), T. chiliophyllum (Fisch. & Mey.) Schultz Bip. var. chiliophyllum and T. haradjani (Rech. Fil.) Grierson (endemic) (Compositae) from Turkey were analyzed by GC-MS. The leaf and herb oils of T. armenum were characterized with 1,8-cineole (31% and 11%) and camphor (9% and 27%), resp., as the main constituents. The major component characterized in the herb oil of T. balsamita was carvone (52%). Camphor (17% and 16%) was the main constituent in the oils of T. chiliophyllum var. chiliophyllum and T. haradjani, resp. The enantiomeric distribution of carvone in the essential oil of T. balsamita and camphor in the essential oils of T. armenum, T. chiliophyllum var. chiliophyllum and T. haradjani were detd. using a fused silica Lipodex E capillary column.
CT Flower
CT Leaf
CT Stem
CT Tanacetum armenum
CT Tanacetum balsamita
CT Tanacetum chiliophyllum chiliophyllum
CT Tanacetum haradjani
CT Essential oils
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L117 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:74187 CAPLUS
DOCUMENT NUMBER: 134:325373
TITLE: Volatile components of essential oils of the Citrus genus
AUTHOR(S): Sawamura, Masayoshi
CORPORATE SOURCE: Department of Bioresources Science, Faculty of Agriculture, Kochi University, Kochi, 783-8502, Japan
SOURCE: Recent Research Developments in Agricultural & Food Chemistry (2000), 4(Pt. 1), 131-164
CODEN: RAFCFL
PUBLISHER: Research Signpost
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The volatile components of essential oils of the Citrus genus was investigated. The volatile compns. of 98 kinds of citrus fruits were presented here. Most citrus samples were obtained in Japan and several samples were from Korea, Italy and Malaysia. All the samples were obtained at the optimum harvest time in the ripening stage. All the detns. were carried out under the same method and anal. conditions to obtain comparable data to each other. The essential oils were prepd. by cold pressing as native as possible. Quant. detn. and identification were carried out with a Shimadzu gas chromatograph GC-14A and a Shimadzu QP-5000 GC-MS equipped with a Thermon 600T capillary column. One hundred and thirty-seven compds. were identified and quant. detd.
CT Citrus medica
CT Lemon (Citrus limon)
CT Lime (Citrus aurantifolia)

CT Essential oils
CT Mass spectrometry
CT Gas chromatography
CT Volatile substances
CT Growth and development, plant
CT Bergamot (Citrus bergamia)
CT Citrus ampullacea
CT Citrus glaberrima
CT Citrus hanaju
CT Citrus hassaku
CT Citrus inflata
CT Citrus junos
CT Citrus kawachiensis
CT Citrus medica
CT Citrus medioglobosa
CT Citrus natsudaidai
CT Citrus obovoidea
CT Citrus pyriformes
CT Citrus sudachi
CT Citrus taguma-sudachi
CT Citrus wilsonii
CT Citrus yuko
CT Kabosu
CT Lemon (Citrus limon)
CT Lime (Citrus aurantifolia)
CT Shaddock (Citrus grandis)
CT Food analysis
REFERENCE COUNT: 91 THERE ARE 91 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L117 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:654962 CAPLUS
DOCUMENT NUMBER: 133:209422
TITLE: Aromatic ink jet ink with fruit or flower fragrance
INVENTOR(S): Yang, Changmou; Lu, Zhuo; Xue, Dawei; Zhang, Yixi
PATENT ASSIGNEE(S): Yanneng Science & Technology Co., Ltd., Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 12 pp. CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1244554	A	20000216	CN 1998-118344	19980811

AB The arom. ink jet ink with different types of fruit or flower fragrance and capable of fast drying but lack of the unpleasant smell of typical inn jet inks, composes 1.0-20% by wt. solvent (such as alcs. and derivs.), 0.1-10% by wt. water sol. dyes, 0-20% by wt. arom. aldehydes or esters, 0.1-10% by wt. pigments, 0.1-20% by wt. ethanol and addnl. deionized water. Thus, an arom. ink jet ink made of 8% diethyleneglycol as solvent, 3% water sol. dyes, 0.1% n-heptyl aldehyde as the arom. aldehyde, 1% ethanol and 87.9% deionized water has a natural and soft fruit fragrance.
CT Ink-jet printers
CT Polyoxyalkylenes, uses
CT Inks

L117 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:309789 CAPLUS
DOCUMENT NUMBER: 133:71424
TITLE: Volatile constituents in juice and oil of Australian wild lime (Microcitrus inodora)
AUTHOR(S): Shaw, Philip E.; Moshonas, Manuel G.; Bowman, Kim D.
CORPORATE SOURCE: ARS, SAA Citrus and Subtropical Products Lab, USDA, Winter Haven, FL, 33881, USA
SOURCE: Phytochemistry (2000), 53(8), 1083-1086
CODEN: PYTCAS; ISSN: 0031-9422
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Fifty-three volatile constituents from the juice and twenty from the peel oil of Microcitrus inodora have been identified by gas chromatog. and mass spectral anal. All except seven had been reported earlier as citrus constituents. Since M. inodora is used as a parent for prodn. of new citrus hybrids, this information will be useful to horticulturists, plant breeders and phytochemists.
CT Essential oils
CT Microcitrus inodora
CT Volatile substances
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L117 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:739031 CAPLUS
DOCUMENT NUMBER: 132:219510
TITLE: Composition of Tanacetum annuum L. oil from Morocco
AUTHOR(S): Greche, H.; Ismaili-Alaoui, M.; Zrira, S.; Benjilali, B.; Belanger, A.; Hajjaji, N.
CORPORATE SOURCE: Departement de Chimie-Biochimie Alimentaire I.A.V Hassan II, Morocco
SOURCE: Journal of Essential Oil Research (1999), 11(3), 343-348
CODEN: JEOREG; ISSN: 1041-2905
PUBLISHER: Allured Publishing Corp.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Fresh aerial parts of Tanacetum annuum L. from Morocco were steam distd. to produce an oil in 0.5% yield. The oil was fractionated on the silica gel column and analyzed by GC and GC/MS using MS and retention index data and more than 130 constituents were identified. The major components of the oil were chamazulene (38-17%), myrcene (14-1%), sabinene (8.6-4%), .beta.-eudesmol (7-3%) and camphor (18-4%). Seasonal variation of the oil compn. suggested that the chamazulene content decreases and the myrcene content increases from June to Oct.
CT Essential oils
CT Tanacetum annuum
CT Rhythm, biological
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L117 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1998:557417 CAPLUS
DOCUMENT NUMBER: 129:289335
TITLE: Mass spectrometry of the acetal derivatives of selected generally recognized as safe listed aldehydes with ethanol, 1,2-propylene glycol and glycerol
AUTHOR(S): Woelfel, Keith; Hartman, Thomas G.
CORPORATE SOURCE: M and M Mars, Hackettstown, NJ, 07840, USA

SOURCE: ACS Symp. Ser. (1998), 705(Flavor Analysis), 193-210
CODEN: ACSMC8; ISSN: 0097-6156
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The FEMA-GRAS list offers flavor chemists a repertoire of nearly 2000 chems. for use in compounding natural and synthetic flavors for the U.S. marketplace. Aldehydes constitute an important class of these potential flavorants and are widely utilized to impart specific nuances. Alcs. such as ethanol, 1,2-propylene glycol and glycerol are commonly employed as solvents in compounded flavor systems due to their low odor and miscibility in a wide range of aq. and org. matrixes. However, alcs. and aldehydes react rapidly under anhyd. conditions to form acetal derivs. which often possess different sensory properties. This well known reaction is reversible and its equil. is influenced by time, temp., pH and moisture content. Mass spectra of acetals are currently under represented in com. databases and few literature refs. are available. Our investigation involved a systematic mass spectrometric study of the acetal derivs. of selected GRAS aldehydes reacted with ethanol, 1,2-propylene glycol and glycerol. Aldehydes from different chem. classes representing satd. and unsatd. aliphatics, aroms., heterocyclics, terpenoids and others were included for characterization. The corresponding acetals were synthesized, analyzed by GC-MS in electron ionization mode and their retention indexes on a non-polar (polydimethylsiloxane) capillary column were detd. A database of mass spectra was produced which includes many previously unreported species. In total, over 60 individual mass spectra were recorded. The characteristic mass spectral fragmentation pathways for each class of acetal are described.

CT Aldehydes, reactions
CT Mass spectra
CT Acetals

L117 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1998:328832 CAPLUS
DOCUMENT NUMBER: 129:19500
TITLE: Fragrance allergens: classification and raking by QSAR. [Erratum to document cited in CA127:252962]
AUTHOR(S): Hostynek, J. J.; Magee, P. S.
CORPORATE SOURCE: Euromerican Technology Resource, Inc., Lafayette, CA, 94549, USA
SOURCE: Toxicol. in Vitro (1998), 12(2), I
CODEN: TIVIEQ; ISSN: 0887-2333
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB In the validation of the discriminant and rank models, structures were included inadvertently which had also been used in model construction; therefore, for correct assessment of model performance, the valid no. of compds. evaluated is reduced to 65 from 74 for classification of allergens/non-allergens, and to 54 for ranking of allergen potency. After subtracting the original 12 as "indeterminate", and the 9 identified redundancies, classification performance is 44 correct out of 53, i.e. 83% concordance. As all redundancies were allergens, specificity remains unchanged at 100%; sensitivity is 88% (38/43). Cor. ranking performance is 93% for concordance (50/54), with 66% specificity (7/11) and 91% sensitivity (41/43).

CT Structure-activity relationship
CT Classification
CT Odor
CT Perfumes

CT Allergens
CT QSAR (structure-activity relationship)

L117 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1997:606030 CAPLUS
DOCUMENT NUMBER: 127:252962
TITLE: Fragrance allergens: classification and ranking by QSAR
AUTHOR(S): Hostynek, J. J.; Magee, P. S.
CORPORATE SOURCE: Euromerican Technology Resources, Inc., Lafayette, CA, 94549, USA
SOURCE: Toxicol. in Vitro (1997), 11(4), 377-384
CODEN: TIVIEQ; ISSN: 0887-2333
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Quant. structure-activity relationship (QSAR) models which predict both skin penetration and cell mediated immunity for small mol. wt. non-electrolytes developed earlier were validated on 74 known allergens and non-allergens chosen among fragrance chems. in common use to test discriminating and grading power. While the test set used for classification was based on experience in humans exclusively, the rank model was tested for sensitization potency including guinea pig data also. In the classification test, 12 of 74 compds. fell in the indeterminate range and were non-classifiable by the present QSAR model. On the remaining 62 compds. the model performs with 90% sensitivity and 100% specificity at 92% concordance. The rank model correctly grades 65 of 74 compds. (88% concordance), with 60% specificity based on exact prediction of non-allergens (NON), and 95% sensitivity on allergens (ACD) allowing for a variance of .+-. one level among weak, moderate and severe ratings. In combination, the 2 models perform with 93% overall concordance on the test set of 74 compds.
CT Structure-activity relationship
CT Classification
CT Odor
CT Perfumes
CT Allergens
CT QSAR (structure-activity relationship)

L117 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1994:612662 CAPLUS
DOCUMENT NUMBER: 121:212662
TITLE: Flavor and fragrance compositions produced using process for quantitatively and qualitatively substantially continuously analyzing the aroma emitted from a living fruit
INVENTOR(S): Mookherjee, Braja D.; Trenkle, Robert W.; Patel, Subha M.; Brown, Sharon M.
PATENT ASSIGNEE(S): International Flavors and Fragrances Inc., USA
SOURCE: U.S., 23 pp. Cont.-in-part of U.S. 5,263,359.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5321006	A	19940614	US 1993-108794	19930819
PRIORITY APPLN. INFO.:			US 1992-988337	19921209

US 1993-23960 19930226

AB A process for producing flavor and fragrance compns. comprises of first quant. and qual. analyzing the aroma emitted and rates of emission of the components thereof: (i) from within the pith section and/or the inner wood section; and (ii) the outer bark surface of a living tree, simultaneously, and, optionally from within and from the outer surface of one or more fruits; and then providing at least the major aroma components found in at least one of the analyses and admixing the resulting components to form a fragrance compn. and/or a flavor compn. The living tree, for example, may be a Douglas fir, maple, papaya, mahogany, or a nectarine tree. A fragrance formulation contained .alpha.-pinene 1.00, .beta.-pinene 4.83, myrcene 21.18, limonene 63.01, thymol Me ether 0.53, and longifolene 1.31 parts by wt.

CT Douglas fir
CT Fruit
CT Mahogany
CT Maple
CT Nectarine
CT Papaya
CT Tree
CT Flavoring materials
CT Perfumes
CT Fusel oil
CT Odor and Odorous substances
CT Flavor
CT Essential oils
CT Essential oils
CT Essential oils

L117 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1994:181992 CAPLUS
DOCUMENT NUMBER: 120:181992
TITLE: Method and apparatus for simultaneously analyzing aroma emitted from the interior and exterior of living tree and optionally from living fruit
INVENTOR(S): Mookherjee, Braja D.; Trenkle, Robert W.; Patel, Subha M.; Brown, Sharon M.
PATENT ASSIGNEE(S): International Flavors and Fragrances Inc., USA
SOURCE: U.S., 16 pp. Cont. -in-part of U.S. Ser. No. 988,337. CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5263359	A	19931123	US 1993-23966	19930226

PRIORITY APPLN. INFO.: US 1992-988337 19921209

AB A process is described for quant. and qual. substantially continuously analyzing the aroma emitted and the rates of emission of the components thereof: (I) from within the pit section and/or the inner wood section; and (II) the outer bark surface of a living tree, simultaneously, and optionally from within and from the outer surface of one or more fruits borne by the living tree using simultaneously operating aroma trapping devices connected to the outer tree trunk surface and an inner location within the tree and, if desired, connected to the fruit surface and an internal location within the fruit. Also described is app. for carrying out such a process. The living tree, for example, may be a living Douglas fir, maple tree, papaya tree, mahogany tree, or nectarine tree. The

interior and exterior volatile head space constituents of a mature Douglas fir were analyzed using sampling app. contg. Tenax headspace traps in glass tubes attached to .alpha.-2 vacuum pumps. After 7 h of pumping, the contents of the traps were analyzed by GC-MS anal.

CT Tree
CT Fruit
CT Mass spectrometry
CT Chromatography, gas
CT Douglas fir
CT Bark
CT Plant analysis
CT Odor and Odorous substances
CT Analysis
CT Pumps
CT Sampling apparatus
CT Pumps

L117 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1992:104811 CAPLUS
DOCUMENT NUMBER: 116:104811
TITLE: The composition of woodruff volatiles (Galium odoratum)
AUTHOR(S): Woerner, Martin; Schreier, Peter
CORPORATE SOURCE: Univ. Wuerzburg, Wuerzburg, W-8700, Germany
SOURCE: Z. Lebensm.-Unters. Forsch. (1991), 193(4), 317-20
CODEN: ZLUFAR; ISSN: 0044-3026
DOCUMENT TYPE: Journal
LANGUAGE: German

AB Studies of the compn. of an aroma ext. of dried woodruff by medium-pressure liq. chromatog. following Soxhlet extn. and chlorophylls removal by gel-permeation chromatog. revealed the presence of 225 substances, 69 of which were alcs., 69 carbonyl compds., 22 hydrocarbons, 20 acids, 19 esters, 14 lactones and 12 other compds. Of the .gamma.-lactones, multi-dimensional gas chromatog. indicated an enantiomeric excess of the R-isomer with increasing chain length. Only 1 substance was previously unknown in nature: 7,11,15-trimethyl-2-hexadecanone; it is thus proposed as an anal. indicator for the detection of the illegal use of woodruff aromas in foods.

CT Galium odoratum
CT Odor and Odorous substances
CT Alcohols, biological studies
CT Aldehydes, biological studies
CT Carboxylic acids, biological studies
CT Esters, biological studies
CT Hydrocarbons, biological studies
CT Ketones, biological studies
CT Lactones
CT Terpenes and Terpenoids, biological studies
CT Flavor

L117 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1985:201178 CAPLUS
DOCUMENT NUMBER: 102:201178
TITLE: Essential oil contents in the rinds of Eastern Mediterranean sour oranges (Citrus aurantium L.)
AUTHOR(S): Tuzcu, Onder; Neubeller, J.; Buchloh, Guenther
CORPORATE SOURCE: CU Ziraat Fak., Adana, Turk.
SOURCE: Doga Bilim Derg., Seri D2 (1985), 9(1), 34-9
CODEN: DBDTEG
DOCUMENT TYPE: Journal

LANGUAGE: Turkish
AB Tuzcu sour oranges, selected in Eastern Mediterranean Region, were investigated. Essential oils of rinds were analyzed by gas chromatog., for fruits collected from 8-yr-old trees. Sixty different essential oils were detd. in the rind. Among these d-limonene 86.07, heptadecanol-1 1.70, and .beta.-pinene 1.61% occurred in the highest amt. Terpinolene, .alpha.-terpineol, nerol, geranial, cis-myrtenol, perilylaldehyde, geranyl acetate, .beta.-caryophyllene, .beta.-ionone, and myristinaldehyde were also found in considerable amts. Laurinaldehyde, myrtenol, and cis-myrtenol in sour oranges were detd. first time.
CT Terpenes and Terpenoids, biological studies
CT Oils
CT Alcohols, biological studies
CT Orange

L117 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1984:609264 CAPLUS
DOCUMENT NUMBER: 101:209264
TITLE: Primary mutagenicity screening of food additives currently used in Japan
AUTHOR(S): Ishidate, M., Jr.; Sofuni, T.; Yoshikawa, K.; Hayashi, M.; Nohmi, T.; Sawada, M.; Matsuoka, A.
CORPORATE SOURCE: Biol. Saf. Res. Cent., Natl. Inst. Hyg. Sci., Tokyo, 158, Japan
SOURCE: Food Chem. Toxicol. (1984), 22(8), 623-36
CODEN: FCTOD7; ISSN: 0278-6915
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Salmonella/Microsome tests (Ames tests) and chromosomal aberration tests in vitro using a Chinese hamster fibroblast cell line were carried out on 190 synthetic food additives and 52 food additives derived from natural sources, all of which are currently used in Japan. Fourteen out of 200 tested in the Ames assay showed pos. effects and 54 out of 242 were pos. in the chromosome test. Three additives (erythorbic acid [89-65-6], ClO2, and beet red) were pos. only in the Ames test, although their mutagenic potentials were relatively weak, while 43 additives were pos. only in the chromosome test. Eleven additives, Ca(OCl)2, cinnamic aldehyde [104-55-2], L-cysteine.HCl [52-89-1], Food Green No. 3 (Fast Green FCF) [2353-45-9], H2O2, KBrO3, NaClO2, NaOCl, NaNO2, cacao pigment, and caramel, were pos. in both the Ames test and the chromosome test. The usefulness of such primary screening tests combining 2 different genetic end-points, gene mutation and chromosomal aberration, and some correlation between mutagenicity and carcinogenicity of food additives are discussed.
CT Food
CT Oils
CT Oils
CT Oils
CT Oils
CT Resin acids and Rosin acids
CT Apple
CT Coffee
CT Cola (genus)
CT Anise
CT Caramel (color)
CT Ceratonia siliqua
CT Chlorophylls, biological studies
CT Oils
CT Chlorophyllins
CT Oils
CT Oils

CT Oils
CT Oils
CT Oils
CT Oils
CT Oils
CT Oils
CT Chlorella
CT Cocoa
CT Beet
CT Siloxanes and Silicones, compounds
CT Oils
CT Polyphosphoric acids
CT Oils
CT Oils
CT Nucleotides, compounds

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L118 ANSWER 1 OF 2 NAPRALERT COPYRIGHT (C) 2002 BD. TRUSTEES, U. IL.
AN 2000:607 NAPRALERT
DN K12622
TI THE ESSENTIAL OILS OF ETROG (CITRUS MEDICA L.VAR. ETHROG ENGL.). AROMATIC PLANTS OF THE HOLY LAND AND THE SINAI, PART VI
AU FLEISHER Z; FLEISHER A
CS CROMPTON KNOLES CORP, MAHWAH NJ 07430 USA
SO J ESSENT OIL RES (1991) 3 p. 377-379.
DT (Research paper)
LA ENGLISH
CHC 13316
ORGN Class: DICOT Family: RUTACEAE Genus: CITRUS Species: MEDICA
Subspecies: VAR.ETHROG
Common name(s): CITRON; ETROG
Organism part: LEAF ESSENTIAL OIL
TYPE OF STUDY (STY): ISOLATION.
COMPOUND. Chemical name (CN): **PHENETHYL ALCOHOL**
Class identifier (CI): BENZENOID
Yield: 00.02%
ORGN Class: DICOT Family: RUTACEAE Genus: CITRUS Species: MEDICA
Subspecies: VAR.ETHROG
Organism part: FRUITPEEL ESSENT OIL
TYPE OF STUDY (STY): ISOLATION.
COMPOUND. Chemical name (CN): **PERILLA ALDEHYDE**
Class identifier (CI): MONOTERPENE
Yield: 00.01%

L118 ANSWER 2 OF 2 NAPRALERT COPYRIGHT (C) 2002 BD. TRUSTEES, U. IL.
AN 97:3623 NAPRALERT
DN K28993
TI VOLATILE COMPOUNDS OF POLYGALA SENEGA L. VAR. LATIFOLIA TORREY ET GRAYROOTS
AU HAYASHI S; KAMEOKA H
CS FAC SCI ENGINEER, KINKI UNIV, OSAKA 577 JAPAN
SO FLAVOUR FRAGRANCE J (1995) 10 (4) p. 273-280.
DT (Research paper)
LA ENGLISH
CHC 19132
ORGN Class: DICOT Family: POLYGALACEAE Genus: POLYGALA Species: SENEGA
Subspecies: VAR.LATIFOLIA
Organism part: ROOT ESSENTIAL OIL

TYPE OF STUDY (STY): ISOLATION.
COMPOUND. Chemical name (CN): **DECAN-2-ONE**
Class identifier (CI): ALKANE
Yield: TRACES